



All dimensions are in mm; tolerances according to ISO 2768 m-H

**Interface**

According to

IEC 60169-10, CECC 22130, MIL-PRF-39012

**Documents**

Panel piercing / PCB layout

B 30 / B 54

**Material and plating**

**Connector parts**

- Center contact
- Outer contact
- Body
- Dielectric

**Material**

- Brass
- Brass
- Brass
- PTFE

**Plating**

- AuroDur®, gold plated
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- Gold, 0.1 µm min.

**Electrical data**

|                                |   |
|--------------------------------|---|
| Impedance                      | 50 Ω  |
| Frequency                      | DC to 4 GHz   |
| Return loss                    | ≥ 25 dB @ DC to 1 GHz<br>≥ 20 dB @ 1 GHz to 3 GHz<br>≥ 18 dB @ 3 GHz to 4 GHz |
| Insertion loss                 | ≤ 0.1 x √f [GHz] dB   |
| Insulation resistance          | ≥ 1 GΩ  |
| Center contact resistance      | ≤ 5 mΩ  |
| Outer contact resistance       | ≤ 2.5 mΩ  |
| Test voltage (at sea level)    | 750 V rms   |
| Working voltage (at sea level) | 250 V rms   |
| Contact current                | ≤ 1.5 A DC  |
| RF-leakage                     | ≥ 55 dB @ DC to 1 GHz   |

- Connector only, VSWR in application depends decisive on PCB layout

**Mechanical data**

|                                   |             |
|-----------------------------------|-------------|
| Mating cycles                     | ≥ 500       |
| Center contact captivation: axial | ≥ 10 N      |
| Engagement force                  | ≤ 63 N      |
| Disengagement force               | 8 N to 63 N |

**Environmental data**

|                            |                                      |
|----------------------------|--------------------------------------|
| Temperature range          | -55 °C to +155 °C                    |
| Thermal shock              | MIL-STD-202, Method 107, Condition B |
| Vibration                  | MIL-STD-202, Method 204, Condition B |
| Corrosion                  | MIL-STD-202, Method 101, Condition B |
| Moisture resistance        | MIL-STD-202, Method 106              |
| Max. soldering temperature | IEC 61760-1, +260 °C for 10 sec.     |
| RoHS                       | compliant                            |

**Tooling**

N/A

**Suitable cables**

N/A

**Weight**

|        |           |
|--------|-----------|
| Weight | 3.4 g/pce |
|--------|-----------|

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



|  |          |             |          |      |  |                |               |
|--|----------|-------------|----------|------|--|----------------|---------------|
| Draft  | Date     | Approved    | Date     | Rev. | Engineering change number  | Name           | Date          |
| Inge Mühlauer  | 07.12.04 | Chr. Janßen | 09.02.21 | e00  | 20-1927  | S. Huber-Siegl | 09.02.21      |
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